

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	28878	(current WITH pulse) SAME (magnet\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 15:08
S2	204	(current WITH pulse) SAME (magnet\$4) and blocking WITH temperature	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 15:08
S3	102	(current WITH pulse) SAME (magnet\$4) and blocking WITH temperature and ((resistance OR resistivity) SAME magnetiza\$6)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 15:09
S4	103	(current WITH puls\$4) SAME (magnet\$4) and blocking WITH temperature and ((resistance OR resistivity) SAME magnetiza\$6)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 15:11
S5	1	(10/559915).APP.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/08/11 15:22
S6	150	(current WITH pulse) SAME (magnet\$4) WITH properties WITH (chang\$4 OR adjust\$4 OR modif\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 15:24
S7	4	("3643112"   "4017744"   "4571499").PN. OR ("4754177").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 15:27
S8	30	(electric\$4 WITH current WITH pulse) SAME (magnet \$4) WITH properties WITH (chang\$4 OR adjust\$4 OR modif\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 15:30
S9	6	("20040159828"   "5274249"   "5527567"   "6204139"   "6653703"   "7029924").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 15:41
S10	1	("6473332").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/08/11 15:41

S11	45	(electric\$4 WITH current WITH pulse) SAME (microstructure OR properties) WITH (chang \$4 OR adjust\$4 OR modif \$5) AND magnetic.bsum.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 15:48
S12	971	(electric\$4 WITH current) SAME (microstructure OR properties) WITH (chang \$4 OR adjust\$4 OR modif \$5) AND magnetic.bsum.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 16:05
S13	567	(electric\$4 WITH current) SAME magnetic WITH (microstructure OR properties) WITH (chang \$4 OR adjust\$4 OR modif \$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 17:14
S14	151	(electric\$4 WITH current WITH puls\$4) SAME (microstructure OR properties) WITH (chang \$4 OR adjust\$4 OR modif \$5) WITH (electric\$4 OR magnet\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 17:15
S15	92	(electric\$4 WITH puls\$4) SAME (microstructure OR properties) WITH (chang \$4 OR adjust\$4 OR modif \$5) WITH (magnet\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 17:16
S16	347	(electric\$4 near3 current) SAME (microstructure OR properties) WITH (chang \$4 OR adjust\$4 OR modif \$5) WITH (magnet\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 17:23
S17	213	(electric\$4 near3 current) SAME (properties) WITH (chang\$4 OR adjust\$4 OR modif\$5) and magnetoresist\$6	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 17:25
S18	96	(electric\$4 near3 current) WITH heat\$4 AND heat\$4 WITH (properties) WITH (chang\$4 OR adjust\$4 OR modif\$5) and magnetoresist\$6	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 17:56
S19	2	(electric\$4 near3 puls\$4) WITH heat\$4 AND heat\$4 WITH (properties) WITH (chang\$4 OR adjust\$4 OR modif\$5) and magnetoresist\$6	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 17:57

S20	5	(electric\$4 near\$3 puls\$4) WITH heat\$4 AND heat\$4 WITH magnetization WITH (chang\$4 OR adjust\$4 OR modif\$5) and magnetoresist\$6	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 18:23
S21	1	("6501678").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/08/11 18:29
S22	1772	electric\$4 WITH (current OR puls\$4) WITH properties WITH magnetic	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 22:57
S23	166	electric\$4 WITH (puls\$4) WITH properties WITH magnetic	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 22:59
S24	582	electric\$4 WITH (current OR puls\$4) WITH properties and magnetoresist\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 22:59
S25	154	electric\$4 WITH (puls\$4) WITH properties and magnetoresist\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/11 22:59
S26	22	electric\$4 WITH (current OR puls\$4) SAME (magnetic field) SAME blocking temperature SAME (cool\$4 OR ((decreas \$4 OR lower\$4) WITH temperature))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 00:23
S27	1	("5561896").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/08/12 00:47
S28	7	electric\$4 WITH (current OR puls\$4) SAME (magnetic field) SAME blocking temperature WITH bias WITH (layer OR film OR coat\$4) SAME (cool \$4 OR ((decreas\$4 OR lower\$4) WITH temperature) OR chill\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 01:02
S29	7	electric\$4 WITH (current OR puls\$4) SAME (magnetic field) SAME blocking temperature WITH bias WITH (layer OR film OR coat\$4) AND (cool \$4 OR ((decreas\$4 OR lower\$4) WITH temperature) OR chill\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 01:13

S30	7	electric\$4 WITH (current OR puls\$4) SAME (magnetic field) SAME blocking temperature WITH bias WITH (layer OR film OR coat\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 01:15
S31	10	electric\$4 WITH (current OR puls\$4) SAME (magnetic near3 field) SAME blocking near3 temperature SAME bias WITH (layer OR film OR coat\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 01:22
S32	0	perovskite AND CMR AND bridge	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 02:08
S33	513	CMR AND bridge	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 02:08
S34	58	CMR AND bridge WITH configuration	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 02:08
S35	916	colossal near2 magnetoresist\$4 OR CMR AND infrared WITH (dector OR sensor) AND bridge	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 11:17
S36	915	colossal near2 magnetoresist\$4 OR CMR AND infrared WITH (dector OR sensor) AND bridge WITH (generally OR common\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 11:17
S37	915	colossal near2 magnetoresist\$4 OR CMR AND infrared WITH (dector OR sensor) SAME bridge WITH (general\$4 OR common\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 11:18
S38	9	(colossal near2 magnetoresist\$4 OR CMR) AND infrared WITH (dector OR sensor) AND bridge	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 11:18
S39	28	(colossal near2 magnetoresist\$4 OR CMR) AND bridge and perovskite	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 11:31
S40	4	(colossal near2 magnetoresist\$4 OR CMR) AND bridge and (infrared WITH (sensor OR detector)).bsum.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 11:34

S41	13	(colossal near2 magnetoresist\$4 OR CMR) AND bridge and (infrared WITH (sensor OR detector))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 11:34
S42	5	("20010020847"   "5561896"   "5974657"   "6292335"   "6501678"). PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/12 15:25

**EAST Search History (Interference)**

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**8/ 13/ 2010 1:55:47 AM****H:\ EAST Workspaces\ Production****\ Ruigrok\_10559915\_current\_pulse\_barrier\_energy\_adjust\_properties03.wsp**